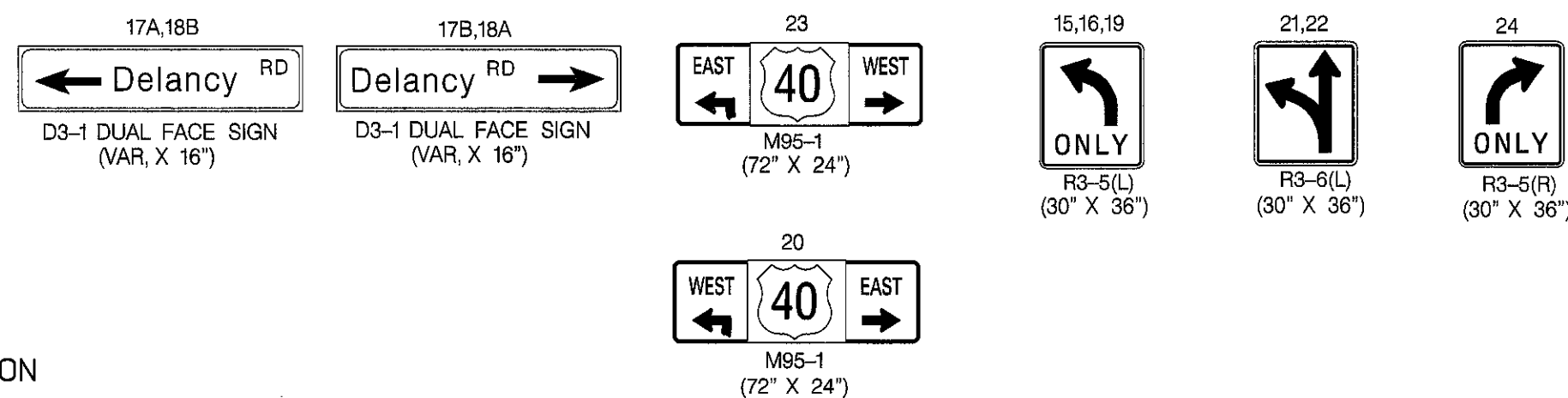
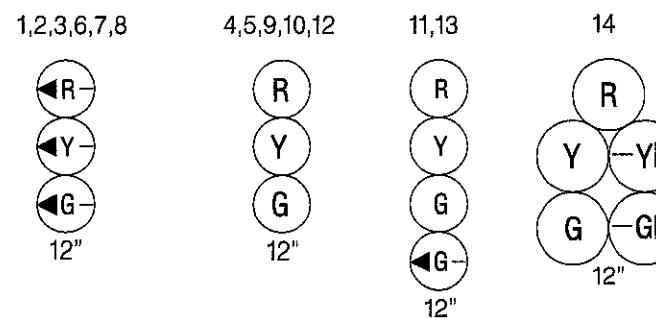


# MD 781 (DELANCY ROAD)

## PROPOSED SIGNS



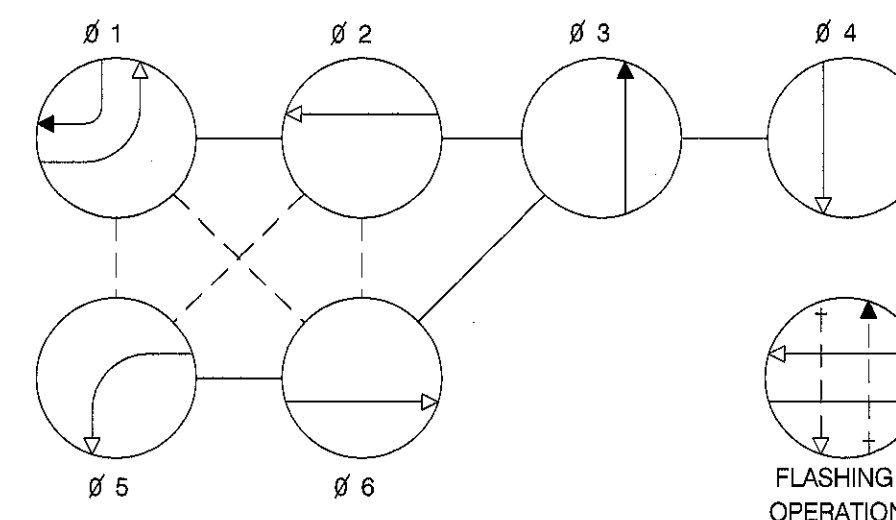
## PROPOSED SIGNAL HEADS



## PROPOSED VIDEO DETECTION CAMERAS

A,B,C,D

## NEMA PHASING



## PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE MAY WILL OPERATE CONCURRENTLY.

## US 40 (PULASKI HWY.)

## US 40

## (PULASKI HWY.)

## CONSTRUCTION DETAILS

- INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT/70 FT. MAST ARMS, 15 FT. STREET LIGHTING ARM WITH 250 WATT HPS LUMINAIRE, VIDEO DETECTION CAMERAS, SIGNAL HEADS, AND SIGNS (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS) CUT 50 FT. MAST ARM TO 40 FT. IN LENGTH
- INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT/70 FT. MAST ARMS, 15 FT. STREET LIGHTING ARM WITH 250 WATT HPS LUMINAIRE, VIDEO DETECTION CAMERAS, SIGNAL HEADS, AND SIGNS (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- INSTALL 14 FT. PEDESTAL POLE WITH POLE MOUNTED SIGNAL HEAD (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH CONTROL AND DISTRIBUTION EQUIPMENT AND ALL OTHER NECESSARY SIGNAL EQUIPMENT (NOTE: INSTALL 2-4 IN. AND 2-2 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- INSTALL ELECTRICAL HANDHOLE
- INSTALL 4 IN. RISER AND 4 IN. CONDUIT BEND ON EXISTING UTILITY POLE
- INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
- INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
- INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED FOR ELECTRICAL SERVICE
- INSTALL NON-INVASIVE PROBES WITH 1000 FT. LEAD-IN
- INSTALL 12 IN. WHITE HEAT APPLIED PREFORMED PERMANENT THERMOPLASTIC PAVEMENT MARKING
- INSTALL 24 IN. WHITE HEAT APPLIED PREFORMED PERMANENT THERMOPLASTIC PAVEMENT MARKING
- INSTALL HEAT APPLIED PREFORMED PERMANENT THERMOPLASTIC PAVEMENT MARKING ARROW (SEE PAVEMENT MARKING LEGEND FOR EXACT LOCATION)
- INSTALL HEAT APPLIED PREFORMED PERMANENT THERMOPLASTIC PAVEMENT MARKING LETTER "ONLY" (SEE PAVEMENT MARKING LEGEND FOR EXACT LOCATION)
- VIDEO DETECTION ZONE
- REMOVE EXISTING HANDHOLE
- REMOVE EXISTING SIGNAL POLE AND ALL ASSOCIATED EQUIPMENT
- REMOVE EXISTING POLE MOUNTED CABINET AND CONTROLLER AND ALL ASSOCIATED EQUIPMENT
- REMOVE EXISTING PEDESTAL POLE AND ALL ASSOCIATED EQUIPMENT
- CAP AND ABANDON EXISTING CONDUIT
- USE EXISTING HANDHOLE
- USE EXISTING 4 IN. CONDUIT
- USE EXISTING HANDHOLE AND ADJUST TO FINAL GRADE
- SEE INTERCONNECT PLAN FOR SPECIFIC DETAILS

## GENERAL NOTES

- LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- ABANDON ALL EXISTING DETECTION.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 88.02 MD 88.03 MD 88.02 MD 88.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
- VIDEO CAMERA LOCATION AND ALIGNMENT SHALL BE COORDINATED WITH AN SHA ENGINEER IN THE FIELD.
- SEE INTERCONNECT PLAN FOR SPECIFIC DETAILS.
- MAST ARMS SHALL NOT BE CUT UNTIL EXACT SIGNAL HEAD LOCATIONS HAVE BEEN ESTABLISHED.
- ALL CONTROLLER CABINET WIRING SHALL BE PERFORMED BY THE SHA. SIGNAL SHOP PLEASE CONTACT MR. ED. RODENKNER AT (410) 787-7860 72 HOURS PRIOR TO INTENDED SIGNAL WORK.
- ALL GROUND MOUNTED SIGNS WILL BE REMOVED AND/OR INSTALLED BY OTHERS.
- ALL PROPOSED PAVEMENT MARKINGS NOT DETAIL ON THIS PLAN WILL BE INSTALLED BY OTHERS AND TO SHA STANDARDS.

LANE DROP PAVEMENT MARKING LOCATION TABLE	
TRAFFIC CONTROL DEVICE	DISTANCE FROM STOPLINE
LEFT ARROW	50'
LEFT TURN	50'
ONLY	50'
LEFT ARROW	100'
LEFT TURN	100'

PLEASE SEE ATTACHED INTERCONNECT PLAN FOR ADDITIONAL DETAILS

**TRAFFIC CONCEPTS, INC.**  
325 Gambrills Road  
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Gambrills, MD 21054  
(410) 923-7101  
FAX (410) 923-6473 EMAIL TRACONCEPT@aol.com

REVISIONS	APPROVALS
<div>10/20/2004</div> <div>MO [Signature]</div> <div>RECONSTRUCT SIGNAL DUE TO THE ADDITION OF A FOURTH LEG</div> <div>SH.A.NO. BW996M92</div> <div>215/999</div> <div>TM2</div>	<div>TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION</div> <div>ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION</div> <div>CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION</div> <div>DIRECTOR, OFFICE OF TRAFFIC &amp; SAFETY</div>

**SHA** MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
TRAFFIC SIGNAL PLAN  
US 40 AND MD 781 (DELANCY RD.)

DRAWN BY: K.WINKLER	F.A.P. NO. N/A	TS NO. 3595 B	SHEET NO. 1 OF 5
CHECKED BY: D.DODA	S.H.A. NO. B/W	T.I.M.S. NO. G400	
SCALE: 1" = 20'	COUNTY: CECIL		
DATE: 7/1/96	LOG MILE: 0700401.705		

## SHOPPING CENTER ENTRANCE